

What is claimed is:

1. A method of enlarging a travel of a piezoelectric sensor comprising the steps of:

shrinking the piezoelectric sensor by applying a potential difference;

enlarging the travel of the sensor through the enlarging means; and

switching a contact switch by contacting the electrode of the enlarging means.

2. The method of claim 1, wherein the enlarging means provided with a lateral electrode at its proximal end.

3. A MEMS switch comprising
a piezoelectric sensor having first electrode at its one end;
an actuator connected to the piezoelectric sensor at its one end;
and

means for enlarging the travel of the piezoelectric sensor, having second electrode to face the first electrode at its one end, which is connected to the other end of the actuator and elastically attached to the other end of the sensor at its other end.

4. The MEMS switch of claim 3, wherein the enlarging means provided with a lateral electrode at its proximal end.